PRODUCT NAME: #501 SUPER PREMIUM WATERPROOFER
PRODUCT CODE: 050199-10401

HMIS CODES: H F R P
2 0 0 B

========== SECTION I - MANUFACTURER IDENTIFICATION ==========

MANUFACTURER'S NAME: BEHR PROCESS CORPORATION
ADDRESS : 3400 GARRY AVE.
SANTA ANA, CA 92704

EMERGENCY PHONE : (800) 424-9300
INFORMATION PHONE : (714) 545-7101

DATE PRINTED : 07/22/02
NAME OF PREPARER : Mike Butler

========== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ==========

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
* PROPRIETARY AROMATIC HYDROCARBONS		0.29mmHg 20 C	1 0.25

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.
This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

========== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS ==========

BOILING RANGE: 186 C
VAPOR DENSITY: Heavier than air.
COATING V.O.C.: 189 g/l
SOLUBILITY IN WATER: Infinite.
SPECIFIC GRAVITY (H2O=1): 1.02
EVAPORATION RATE: Equal to water.
MATERIAL V.O.C.: 66 g/l
APPEARANCE AND ODOR: Pigmented liquid with a sweet ammoniacal odor.

========== SECTION IV - FIRE AND EXPLOSION HAZARD DATA ==========

FLASH POINT: N/A (240F Min.) **METHOD USED:** Cleveland Open Cup
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 0.9% **UPPER:** 8.5%

EXTINGUISHING MEDIA: Foam, Alcohol Foam, CO2, Dry Chemical, Water Fog

SPECIAL FIREFIGHTING PROCEDURES

Observe recommended procedures in handling fire areas. Wear appropriate fire fighting equipment including a self contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers are subject to bursting on exposure to heat. Extinguishing media above is recommended on dried films of this material that is burning. This material is non-combustable, but dried films are capable of burning and supporting combustion when in contact with open flames.

FLAMMABILITY - T.D.G.R. CLASS

DOT: Not Regulated.
OSHA AND NFPA: COMBUSTIBLE LIQUID CLASS IIIB

SENSITIVITY TO IMPACT

None known

SENSITIVITY TO STATIC DISCHARGE

None expected

SECTION V - REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID

Avoid freezing. Avoid temperatures below 32 degrees F.

INCOMPATIBILITY (MATERIALS TO AVOID)

Avoid highly oxidizing materials. Avoid materials that react with water. Also avoid strong acids and alkalines.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Incomplete combustion can lead to the evolution of Carbon Dioxide and/or Carbon Monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Product is a mild irritant. Effects are temporary and reversible. Vapor odors may cause irritation in the upper and lower respiratory tracts, nauses, headaches and dizziness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Product is a mild irritant to skin and eyes. Effects are temporary and reversible. Product may cause irritation, redness and tearing.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Not absorbed into skin. May cause minor redness and/or irritation.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Harmful if swallowed. Ingestion can cause nausea, vomiting, diarrhea and gastrointestinal irritation.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute Health Hazards: Repeated skin contact may result in the development of an allergic skin reaction in a small number of individuals.

Chronic Health Hazards: None known.

CARCINOGENICITY:

NTP CARCINOGEN: Product is not a known carcinogen.

IARC MONOGRAPHS: NO

OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Available toxicology, chemical and physical data show that overexposure is unlikely to aggravate any medical condition.

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush with water for 15 minutes. Expose to fresh air. Call Physician immediately.

SKIN CONTACT: Wash with soap and water for 15 minutes.

INHALATION: Remove to fresh air. Call physician if experiencing any difficulty breathing.

INGESTION: DO NOT INDUCE VOMITING! CALL PHYSICIAN IMMEDIATELY. Activated charcoal may be administered. If conscious, feed two glasses of water.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Dike and/or absorb spilled material with inert absorbant material such as sand or sawdust. Use rags to clean up small amounts of spilled materials. Keep out of sewers, watersheds or water systems.

WASTE DISPOSAL METHOD

PRODUCT DISPOSAL: Product does not meet the definition of hazardous waste under the U.S. E.P.A. regulations. However state or local hazardous waste regulations may apply if they are different from the federal regulations.
CONTAINER DISPOSAL: Triple rinse container, then dispose of in a sanitary landfill, if allowed by local regulation.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep containers closed when not in use. Do not store or handle near heat, flames or strong oxidants. Store in cool, well ventilated areas. Rotate stock to use older material first. Inspect for leaks or cracks in all containers.

OTHER PRECAUTIONS

Do not store in freezing areas. Keep in temperatures above 32 degrees F. Empty containers may still contain residues (vapors, liquid or solid), therefore all empties should be subjected to the same hazard precautions given in this MSDS.
KEEP AWAY FROM CHILDREN!

========== SECTION VIII - CONTROL MEASURES ==========

RESPIRATORY PROTECTION

Wear approved NIOSH/MSHA respirator with organic vapor cartridge when the environmental controls are inadequate at keeping the airborne concentrations below the exposure levels.

VENTILATION

General mechanical ventilation may be sufficient to keep product vapor concentrations below the specified TLV levels.
If adequate, one can also use local exhaust.

PROTECTIVE GLOVES

Use solvent impermeable Neoprene or latex gloves to protect against skin contact.

EYE PROTECTION

Use safety goggles, safety glasses and/or face shields to protect the eyes.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Impermeable aprons or protective clothing are recommended when working with this product. The use of head caps are also recommended whenever possible.

WORK/HYGIENIC PRACTICES

Care should be taken to prevent unnecessary exposure to this product. Eye washes and safety showers should be available.

========== SECTION IX - DISCLAIMER ==========

The information contained in this MSDS was compiled from sources considered to be reliable; however, Behr Process Corporation cannot guarantee that the information is in all respects complete or accurate. The MSDS sheets are not substitutes for the instructions for substrate preparation or the instructions, precautions or warnings for use of our products contained on the product labels. Users should always carefully read the product labels before using any of our products.

BEHR
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View Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**Premium Weatherproofing Wood Sealer & Finish Natural Cedar No. 501**
Product Number:	501
Manufacturer Name:	BEHR Process Corporation
Address:	3400 W. Segerstrom Avenue Santa Ana CA 92704

U.S. Contact Info.:

Business Phone:	(714) 545-7101
Technical Service Phone:	(800) 854-0133 ext. 2
Business Fax:	(714) 241-1002

Canadian Contact Info.:

Business Phone:	(800) 661-1591
Technical Service Phone:	(800) 661-1591
Business Fax:	(800) 387-0019

For emergencies in the US, call CHEMTREC: 800-424-9300
In Canada, call CANUTEC: (613) 996-6666 (call collect)
Manufacturer MSDS Revision Date: 03/31/2005

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Product No. 501

Chemical Name	CAS#	Lower Percent	Upper Percent
Ammonia salt of modified styrene acrylic polymers	Proprietary	1	5
Ethylene glycol	107-21-1	1	5
Dipropylene glycol methyl ether (DPGME)	34590-94-8	1	5
Iron(III) oxide	1309-37-1	0.1	1
Palygorskite	12174-11-7	0.1	1
Non-hazardous ingredients		30	60

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SECTION 3: HAZARDS IDENTIFICATION

Product No. 501

Emergency Overview: Irritant.

Applies to all Ingredients
Potential Health Effects:

Eye Contact:	May cause irritation.
Skin Contact:	May cause irritation.
Skin Absorption:	May be absorbed through the skin in harmful amounts.
Inhalation:	Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion:	Harmful if swallowed. Ingestion can cause nausea, vomiting, diarrhea and gastrointestinal irritation.
Chronic Skin Contact:	Prolonged or repeated contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis (rash).
Chronic Inhalation:	Repeated or prolonged inhalation may cause toxic effects.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system. Central nervous system. Kidney.
Signs/Symptoms:	Overexposure can cause headaches, dizziness, nausea, and vomiting.
Aggravation of Pre-Existing Conditions:	May aggravate pre-existing respiratory disorders, allergy, eczema, or skin conditions.

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SECTION 4: FIRST AID MEASURES

Product No. 501

Eye Contact:	Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid:	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

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SECTION 5: FIRE FIGHTING MEASURES

Product No. 501

Flash Point:	No Data
Extinguishing Media:	Use alcohol foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
Protective Equipment:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Product No. 501

Personal Precautions:	Use proper personal protective equipment as listed in section 8.
Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.

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SECTION 7: HANDLING AND STORAGE

Product No. 501

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

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SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Product No. 501

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Hand Protection Description:	Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Ingredient Guidelines	Guideline Type	Guideline Information
Dipropylene glycol methyl ether (DPGME)		
	ACGIH TLV-TWA	100 ppm
	OSHA PEL-TWA	100 ppm
	ACGIH TLV-STEL	150 ppm
Ethylene glycol		
	ACGIH TLV-STEL	C 100 mg/m3 (Aerosol only)
Iron(III) oxide		
	ACGIH TLV-TWA	5 mg/m3
	OSHA PEL-TWA	10 mg/m3

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Product No. 501

Physical State/Appearance:	Liquid
Color:	Brown
pH:	No Data
Vapor Density:	Greater than 1 (Air = 1)
Density:	8 - 10 Lbs./gal.
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	No Data
VOC:	Material VOC: 84 gm/l (Includes Water) Coating VOC: 249 gm/l (Excludes Water)

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SECTION 10: STABILITY AND REACTIVITY

Product No. 501

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Heat, flames, ignition sources, and sparks. Incompatible materials. Freezing or

	temperatures below 32 deg. F.
Incompatibilities with Other Materials:	Oxidizing agents. Strong acids and alkalis.
Hazardous Polymerization:	Not reported.
Hazardous Decomposition Products:	Incomplete combustion may produce carbon monoxide and other toxic gases.

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SECTION 11: TOXICOLOGICAL INFORMATION

Product No. 501

Dipropylene glycol methyl ether (DPGME)

Eye Effect:	Eye - Rabbit; Standard Draize : 500 mg/24H; Mild. (RTECS)
Skin Effects:	Skin - Rabbit; Open irritation : 500 mg; Mild. (RTECS)
Ingestion Effects:	Ingestion - Rat LD50: 5400 uL/kg; Details of toxic effects not reported other than lethal dose value Ingestion - Rat LD50: 5.5 ml/kg; Details of toxic effects not reported other than lethal dose value (RTECS)

Ethylene glycol

Eye Effect:	Eye - Rabbit; Standard Draize : 500 mg/24H; Mild. Eye - Rabbit; Standard Draize : 1440 mg/6H; Moderate. (RTECS)
Skin Effects:	Skin - Rabbit; Open irritation : 555 mg; Mild. (RTECS)
Ingestion Effects:	Ingestion - Rat LD50: 4700 mg/kg; Details of toxic effects not reported other than lethal dose value Ingestion - Rat TDLo: 5000 mg/kg; Brain and Coverings - other degenerative changes Behavioral - tetany Biochemical - Enzyme inhibition, induction, or change in blood or tissue levels - transaminases Ingestion - Mouse LD50: 5500 mg/kg; Details of toxic effects not reported other than lethal dose value (RTECS)
Inhalation Effects:	Inhalation - Rat LC: >200 mg/m3/4H; Details of toxic effects not reported other than lethal dose value Inhalation - Mouse LC: >200 mg/m3/2H; Details of toxic effects not reported other than lethal dose value (RTECS)

Iron(III) oxide

Carcinogenicity:	IARC: Group 3: Unclassifiable as to carcinogenicity to humans

Palygorskite

Carcinogenicity:	IARC: Group 2B: Possibly carcinogenic to humans

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SECTION 12: ECOLOGICAL INFORMATION

Product No. 501

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

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SECTION 13: DISPOSAL CONSIDERATIONS

Product No. 501

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

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SECTION 14: TRANSPORT INFORMATION

Product No. 501

DOT UN Number:	No Data
DOT Hazard Class:	No Data

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SECTION 15: REGULATORY INFORMATION

Product No. 501

Dipropylene glycol methyl ether (DPGME)

TSCA 8(b): Inventory Status:	Listed
State:	Listed in the New Jersey State Right to Know list. Listed in the Pennysalvania Hazardous Subsatnces list.
Canada DSL:	Listed

Ethylene glycol

TSCA 8(b): Inventory Status:	Listed
State:	Listed in the New Jersey State Right to Know list. Listed in the Pennysalvania Hazardous Subsatnces list.
Canada DSL:	Listed

Iron(III) oxide

TSCA 8(b): Inventory Status:	Listed
State:	Listed in the New Jersey State Right to Know list. Listed in the Pennysalvania Hazardous Subsatnces list.
Canada DSL:	Listed

Palygorskite

TSCA 8(b): Inventory Status:	Not listed
Proposition 65:	WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

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SECTION 16: ADDITIONAL INFORMATION

Product No. 501

MSDS Preparation Date:	03/31/2005
MSDS Revision Date:	03/31/2005
MSDS Author:	Actio Corporation

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific materials designated. Refer to individual product safety Data sheets when using more than one product in combination with another.

References:

1. OSHA Hazard Communication Standard, 1910.1200 and Z Tables.
2. NIOSH Registry of Toxic Effects of Chemical Substances (RTECS) and Pocket Guide to Chemical Hazards.
3. Sax Dangerous Properties of Industrial Materials. Tenth Edition.
4.Hawleys Condensed Chemical Dictionary, Thirteenth Edition
5. IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man, WHO International Research on Cancer, 2004.
6. Industrial Hygiene and Toxicology, by F.A. Patty.
7. National Library of Medicine, Department of Health and Human Services, Hazardous Substances Data Bank (HSDB).
8. National Toxicology Program (NTP) Tenth Report on Carcinogens, 2002.
9. Brethericks Reactive Chemical Hazards Database. Version 2.
10. Gassarett and Doulls Toxicology, The Basic Science of Poisons.
11. The Merck Index: An Encyclopedia of Chemicals and Drugs. Merck and Company. Twelfth Edition 1998.
12. Threshold Limit Values for Chemical Substances and Physical Agents in the Work Environmental and Biological Exposure Indices. TLV Booklet, 2003.

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